

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number  
WO 2004/014651 A3

(51) International Patent Classification<sup>7</sup>: G03F 7/09, 7/11

(21) International Application Number:  
PCT/IL2003/000652

(22) International Filing Date: 7 August 2003 (07.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/401,336 7 August 2002 (07.08.2002) US  
60/455,392 18 March 2003 (18.03.2003) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

29 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/014651 A3

(54) Title: LITHOGRAPHIC PRINTING MEMBERS AND A METHOD AND A SYSTEM FOR PREPARATION OF LITHOGRAPHIC PRINTING MEMBERS

(57) Abstract: Lithographic printing members and a method and system for fabricating them is provided. The printing member may comprise a base layer, a laser-absorbing layer, which may be a gradient solid dispersion of metal and metal-oxide areas, and a coating layer. The concentration ratios between the metal and the metal-oxide vary throughout a thickness of the laser-absorbing layer and the coating layer and the base layer have different affinities for ink. The method of fabricating the printing member may comprise preparing on demand for a single use a liquid-based coating material, pouring the coating material onto a substrate that may comprise a base layer and a laser-absorbing layer and laminating a form film onto the liquid-based coating material to form a coating layer.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00652

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G03F 7/09, 7/11  
 US CL : 430/271.1, 273.1, 275.1, 302, 494; 101/ 130, 453, 463.1, 465, 466, 467

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 430/271.1, 273.1, 275.1, 302, 494; 101/ 130, 453, 463.1, 465, 466, 467

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,068,965 A (HAUQUIER et al) 30 May 2000 (30.05.2000), abstract; column 2, lines 49-57; column 3, lines 1-67; claims 1-10.	1-23
Y	US 5,950,542 A (HARRIS et al) 14 September 1999 (14.09.1999), abstract; column 5, lines 35-67; claims 1-24.	1-23
Y	US 6,321,652 B1 (FUJINAMI et al) 27 November 2001 (27.11.2001), abstract; Figure 9; claims 1-27.	13-19
A	US 5,985,515 A (VAN ROMPUY et al) 16 November 1999 (16.11.1999), abstract; whole document.	1-23
A	US 5,908,731 A (LEENDERS et al) 01 June 1999 (01.06.1999), abstract; whole document.	1-23

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See patent family annex.

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Date of the actual completion of the international search

25 February 2004 (25.02.2004)

Date of mailing of the international search report

18 MAR 2004

Name and mailing address of the ISA/US

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